### 02085079 ENO RIVER NEAR WEAVER, NC

LOCATION.--Lat 36°04'19", long 78°51'47", Durham County, Hydrologic Unit 03020201, at bridge on Secondary Road 1004, 1.3 mi above Little River, and 1.5 mi northeast of Weaver.

DRAINAGE AREA.--148 mi<sup>2</sup>.

PERIOD OF RECORD .-- Water years 1983 to current year.

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: October 1982 to September 1985.

WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Instantaneous discharge is from gage located at Eno River near Durham (02085070). A GC/FID scan for trace organic compounds was performed on samples collected in October 1994 and April 1995. Results may be obtained from the District office in Raleigh.

EXTREMES FOR PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: Maximum, 293 microsiemens, July 11, 1984, minimum, 32 microsiemens, Aug. 18, 1984.

WATER TEMPERATURE: Maximum recorded, 30.5°C, Aug. 23, 1983; minimum recorded, 0.0°C, on several days during winter months.

# WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
OCT	1245	4 7	453	7.0	15.5	45	750	5.4	55	51	12
25 NOV	1345	4.7	453	7.2	15.5	45	750	5.4	55	21	12
29 DEC	1030	46	445	7.4	8.5	45	755	10.6	92	47	11
20 JAN	1245	22	260	7.6	5.0	40	755	11.8	93	50	12
18 FEB	1330	86	111	7.0	8.0	200	750	15.8	136	27	6.7
08 MAR	1400	39	200	7.2	1.0	55	745	13.6	98	35	8.6
15 APR	1345	99	122	7.3	10.5	70	749	11.2	102	29	6.9
20 MAY	1030	30	193	7.3	21.0	30	748	6.8	78	35	8.1
25 JUL	1430	7.1	310	7.3	24.0	38	749	6.4	78	36	8.2
17 AUG	0830	157	130	7.1	26.5	65	750	6.1	77	36	8.9
10	1300	8.3	212	7.5	24.5	50	749	6.8	83	36	8.7

# 02085079 ENO RIVER NEAR WEAVER, NC--Continued

# WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-FLD (MG/L AS HCO3) (99440)	ALKA- LINITY, CARBON- ATE IT-FLD (MG/L - CAC03) (99430)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
OCT 25	5.0	67	72	4	5.3	61	50	130	13	0.20	6.7
NOV 29	4.7	68	73	4	5.6	60	50	120	15	0.20	3.8
DEC	4.8	30	55	2	3.5	61	50	47	13	<0.10	1.0
20 JAN											
18 FEB	2.6	8.9	39	0.7	2.4	25	21	14	7.3	<0.10	11
08 MAR	3.4	23	57	2	2.2	36	30	37	9.5	<0.10	11
15 APR	2.8	12	46	1	1.6	30	25	16	6.3	<0.10	9.4
20 MAY	3.5	23	57	2	2.6	48	39	34	8.2	0.10	2.5
25 JUL	3.8	46	72	3	2.5	43	35	85	9.4	0.20	10
17 AUG	3.3	9.4	35	0.7	2.2	36	30	12	7.4	<0.10	13
10	3.5	24	56	2	3.4	52	43	40	7.5	0.10	12
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
OCT 25	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	GEN, NITRATE TOTAL (MG/L AS N)	GEN, NITRITE DIS- SOLVED (MG/L AS N)	GEN, NO2+NO3 TOTAL (MG/L AS N)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	GEN, AMMONIA DIS- SOLVED (MG/L AS N)	GEN, ORGANIC TOTAL (MG/L AS N)	GEN, ORGANIC DIS- SOLVED (MG/L AS N)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	GEN, TOTAL (MG/L AS N)
OCT 25 NOV 29	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	GEN, NITRATE TOTAL (MG/L AS N) (00620)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	GEN, TOTAL (MG/L AS N) (00600)
OCT 25 NOV 29 DEC 20	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	GEN, NITRATE TOTAL (MG/L AS N) (00620)	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	GEN, TOTAL (MG/L AS N) (00600)
OCT 25 NOV 29 DEC 20 JAN 18	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	GEN, NITRATE TOTAL (MG/L AS N) (00620) 0.460	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <0.010	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) 0.460	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 0.460	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608) <0.015	GEN, ORGANIC TOTAL (MG/L AS N) (00605)	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	GEN, TOTAL (MG/L AS N) (00600)
OCT 25 NOV 29 DEC 20 JAN 18 FEB 08	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 286 274	GEN, NITRATE TOTAL (MG/L AS N) (00620) 0.460 0.720 0.140	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <0.010 <0.010	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) 0.460 0.720 0.140	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 0.460 0.720 0.140	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608) <0.015 <0.015	GEN, ORGANIC TOTAL (MG/L AS N) (00605) 0.50 0.50	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) 0.50 0.50	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) 0.40 0.40	GEN, TOTAL (MG/L AS N) (00600) 0.96 1.2
OCT 25 NOV 29 DEC 20 JAN 18 FEB 08 MAR 15	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 286 274 150	GEN, NITRATE TOTAL (MG/L AS N) (00620) 0.460 0.720 0.140 0.370	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <0.010 <0.010	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) 0.460 0.720 0.140 0.380	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 0.460 0.720 0.140 0.380	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)  <0.015 <0.015  <0.015	GEN, ORGANIC TOTAL (MG/L AS N) (00605) 0.50 0.50 0.30	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625) 0.50 0.50	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) 0.40 0.40 0.30	GEN, TOTAL (MG/L AS N) (00600) 0.96 1.2 0.44
OCT 25 NOV 29 DEC 20 JAN 18 FEB 08	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 286 274 150 88	GEN, NITRATE TOTAL (MG/L AS N) (00620) 0.460 0.720 0.140 0.370 0.680	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <0.010 <0.010 0.010	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) 0.460 0.720 0.140 0.380 0.680	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 0.460 0.720 0.140 0.380 0.680	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)  <0.015 <0.015  <0.015  <0.015	GEN, ORGANIC TOTAL (MG/L AS N) (00605) 0.50 0.50 0.30	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)  0.50  0.50  0.30  0.50	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623) 0.40 0.40 0.30 0.50	GEN, TOTAL (MG/L AS N) (00600) 0.96 1.2 0.44 0.88
OCT 25 NOV 29 DEC 20 JAN 18 FEB 08 MAR 15	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 286 274 150 88 156 76	GEN, NITRATE TOTAL (MG/L AS N) (00620) 0.460 0.720 0.140 0.370 0.680 0.280	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613) <0.010 <0.010 <0.010 <0.010	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630) 0.460 0.720 0.140 0.380 0.680 0.280	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631) 0.460 0.720 0.140 0.380 0.680 0.280	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)  <0.015 <0.015  <0.050 <0.015 <0.015	GEN, ORGANIC TOTAL (MG/L AS N) (00605) 0.50 0.50 0.30 0.45 0.30	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)  0.45	GEN, AM- MONITA + ORGANIC TOTAL (MG/L AS N) (00625)  0.50  0.50  0.50  0.30  0.40	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)  0.40 0.40 0.30 0.50 0.20	GEN, TOTAL (MG/L AS N) (00600) 0.96 1.2 0.44 0.88 0.98
OCT 25 NOV 29 DEC 20 JAN 18 FEB 08 MAR 15 APR 20 MAY	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300) 286 274 150 88 156 76	GEN, NITRATE TOTAL (MG/L AS N) (00620)  0.460 0.720 0.140 0.370 0.680 0.280 0.110	GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)  <0.010 <0.010  <0.010 <0.010 <0.010 <0.010	GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)  0.460 0.720 0.140 0.380 0.680 0.280 0.110	GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)  0.460 0.720 0.140 0.380 0.680 0.280 0.110	GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)  <0.015 <0.015  <0.015  <0.015  <0.015  0.050	GEN, ORGANIC TOTAL (MG/L AS N) (00605) 0.50 0.50 0.45 0.30 0.45	GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)  0.50 0.50 0.50 0.30 0.40 0.40	GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)  0.40 0.40 0.30 0.50 0.20 0.20	GEN, TOTAL (MG/L AS N) (00600) 0.96 1.2 0.44 0.88 0.98 0.68

# 02085079 ENO RIVER NEAR WEAVER, NC--Continued

# WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	NITRO- GEN DIS- SOLVED (MG/L AS N) (00602)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
OCT 25	0.86	0.030	0.020	0.010	90	1	<1	<1	<1	2	520
NOV 29	1.1	0.060	0.020	0.010							
DEC 20	0.44	<0.010	0.020	0.020							
JAN 18	0.88	0.070	0.040	0.050							
FEB 08	0.88	0.030	0.020	0.020							
MAR 15	0.48	0.040	<0.010	0.020							
APR 20	0.31	0.010	<0.010	<0.010	150	<1	<1	<1	<1	2	540
MAY 25	0.78	0.040	0.020	0.030							
JUL 17	0.59	0.040	0.020	0.020	190	<1	<1	<1	<1	2	790
AUG 10	0.69	0.050	0.030	0.030							
DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT 25	TOTAL RECOV- ERABLE (UG/L AS PB)	NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	TOTAL RECOV- ERABLE (UG/L AS HG)	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO)	TOTAL RECOV- ERABLE (UG/L AS NI)	NIUM, TOTAL (UG/L AS SE)	TOTAL RECOV- ERABLE (UG/L AS AG)	TOTAL RECOV- ERABLE (UG/L AS ZN)	ORGANIC TOTAL (MG/L AS C)	MENT, SUS- PENDED (MG/L)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT 25 NOV 29	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NIUM, TOTAL (UG/L AS SE) (01147)	TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ORGANIC TOTAL (MG/L AS C) (00680)	MENT, SUS- PENDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT 25 NOV 29 DEC 20	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NIUM, TOTAL (UG/L AS SE) (01147)	TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ORGANIC TOTAL (MG/L AS C) (00680)	MENT, SUS- PENDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
OCT 25 NOV 29 DEC 20 JAN 18	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NIUM, TOTAL (UG/L AS SE) (01147)	TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092) <10	ORGANIC TOTAL (MG/L AS C) (00680) 7.9	MENT, SUS- PENDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) 0.20
OCT 25 NOV 29 DEC 20 JAN 18 FEB 08	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NIUM, TOTAL (UG/L AS SE) (01147)	TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092) <10	ORGANIC TOTAL (MG/L AS C) (00680) 7.9 6.7 4.2	MENT, SUS- PENDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) 0.20 0.75
OCT 25 NOV 29 DEC 20 JAN 18 FEB 08 MAR 15	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NIUM, TOTAL (UG/L AS SE) (01147)	TOTAL RECOV- ERABLE (UG/L AS AG) (01077) <1	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092) <10	ORGANIC TOTAL (MG/L AS C) (00680) 7.9 6.7 4.2	MENT, SUS- PENDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) 0.20 0.75 0.24 4.4
OCT 25 NOV 29 DEC 20 JAN 18 FEB 08 MAR 15 APR 20	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)  <1	NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	TOTAL RECOV- ERABLE (UG/L AS HG) (71900)  <0.10	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NIUM, TOTAL (UG/L AS SE) (01147) <1	TOTAL RECOV- ERABLE (UG/L AS AG) (01077)  <1	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092) <10	ORGANIC TOTAL (MG/L AS C) (00680) 7.9 6.7 4.2 15 5.1	MENT, SUS- PENDED (MG/L) (80154)	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) 0.20 0.75 0.24 4.4
OCT	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)  <1	NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	TOTAL RECOV- ERABLE (UG/L AS HG) (71900)  <0.10	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)  <1	TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NIUM, TOTAL (UG/L AS SE) (01147) <1	TOTAL RECOV- ERABLE (UG/L AS AG) (01077)  <1	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092) <10	ORGANIC TOTAL (MG/L AS C) (00680) 7.9 6.7 4.2 15 5.1 7.2	MENT, SUS- PENDED (MG/L) (80154) 16 6 4 19	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) 0.20 0.75 0.24 4.4 1.1
OCT 25 NOV 29 DEC 20 JAN 18 FEB 08 MAR 15 APR 20	TOTAL RECOV- ERABLE (UG/L AS PB) (01051)  <1	NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	TOTAL RECOV- ERABLE (UG/L AS HG) (71900)  <0.10	DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)  <1	TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	NIUM, TOTAL (UG/L AS SE) (01147) <1	TOTAL RECOV- ERABLE (UG/L AS AG) (01077)  <1	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092) <10	ORGANIC TOTAL (MG/L AS C) (00680) 7.9 6.7 4.2 15 5.1 7.2 4.4	MENT, SUS- PENDED (MG/L) (80154) 16 6 4 19 10 19	MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155) 0.20 0.75 0.24 4.4 1.1 5.1

### 02085079 ENO RIVER NEAR WEAVER, NC

LOCATION.--Lat 36°04'19", long 78°51'47", Durham County, Hydrologic Unit 03020201, at bridge on Secondary Road 1004, 1.3 mi above Little River, and 1.5 mi northeast of Weaver.

DRAINAGE AREA.--148 mi<sup>2</sup>.

PERIOD OF RECORD .-- Water years 1983 to current year.

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: October 1982 to September 1985.

WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Instantaneous discharge is from gage located at Eno River near Durham (02085070).

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WATER TEMPERATURE: Maximum recorded, 30.5°C, Aug. 23, 1983; minimum recorded, 0.0°C, on several days during winter months.

#### WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
OCT 25 DEC	1345	76	84	7.2	16.0	88	758	9.0	92	21	5.3
13 JAN	1345	94	96	7.1	3.5	90	760	13.3	101	27	6.5
31 APR	1045	275	92	7.0	6.0	110	755	12.4	101	25	6.0
03 MAY	1015	211	105	7.3	10.5	84				26	6.3
31 AUG	1015	111	125	7.2	18.0	180	768	8.7	91	28	6.6
27	1000	26	345	7.4	24.0	40	761	7.2	86	39	9.5
DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-FLD (MG/L AS HCO3) (99440)	ALKA- LINITY, CARBON- ATE IT-FLD (MG/L - CAC03) (99430)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)
OCT 25	SIUM, DIS- SOLVED (MG/L AS MG)	DIS- SOLVED (MG/L AS NA)	PERCENT	AD- SORP- TION RATIO	SIUM, DIS- SOLVED (MG/L AS K)	BONATE IT-FLD (MG/L AS HCO3)	LINITY, CARBON- ATE IT-FLD (MG/L - CAC03)	DIS- SOLVED (MG/L AS SO4)	RIDE, DIS- SOLVED (MG/L AS CL)	RIDE, DIS- SOLVED (MG/L AS F)	DIS- SOLVED (MG/L AS SIO2)
OCT 25 DEC 13	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	DIS- SOLVED (MG/L AS NA) (00930)	PERCENT (00932)	AD- SORP- TION RATIO (00931)	SIUM, DIS- SOLVED (MG/L AS K) (00935)	BONATE IT-FLD (MG/L AS HCO3) (99440)	LINITY, CARBON- ATE IT-FLD (MG/L - CAC03) (99430)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955)
OCT 25 DEC 13 JAN 31	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	DIS- SOLVED (MG/L AS NA) (00930)	PERCENT (00932)	AD- SORP- TION RATIO (00931)	SIUM, DIS- SOLVED (MG/L AS K) (00935)	BONATE IT-FLD (MG/L AS HCO3) (99440)	LINITY, CARBON- ATE IT-FLD (MG/L - CAC03) (99430)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955)
OCT 25 DEC 13 JAN 31 APR 03	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	DIS- SOLVED (MG/L AS NA) (00930)	PERCENT (00932) 36 38	AD- SORP- TION RATIO (00931) 0.6	SIUM, DIS- SOLVED (MG/L AS K) (00935)	BONATE IT-FLD (MG/L AS HCO3) (99440) 27	LINITY, CARBON- ATE IT-FLD (MG/L - CAC03) (99430)	DIS- SOLVED (MG/L AS SO4) (00945)	RIDE, DIS- SOLVED (MG/L AS CL) (00940)	RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955)
OCT 25 DEC 13 JAN 31	SIUM, DIS- SOLVED (MG/L AS MG) (00925) 2.0 2.6	DIS- SOLVED (MG/L AS NA) (00930) 6.4 8.4 6.9	PERCENT (00932)  36  38  36	AD- SORP- TION RATIO (00931) 0.6 0.7	SIUM, DIS- SOLVED (MG/L AS K) (00935) 2.4 2.0	BONATE IT-FLD (Mg/L AS HCO3) (99440) 27 27 32	LINITY, CARBON- ATE IT-FLD (MG/L - CAC03) (99430) 22 23 27	DIS- SOLVED (MG/L AS SO4) (00945) 5.8 11	RIDE, DIS- SOLVED (MG/L AS CL) (00940) 5.7 6.2	RIDE, DIS- SOLVED (MG/L AS F) (00950) 0.20 <0.10	DIS- SOLVED (MG/L AS SIO2) (00955) 9.3 12

# 02085079 ENO RIVER NEAR WEAVER, NC

# WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N) (00607)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO- GEN, TOTAL (MG/L AS N) (00600)
OCT 25	64	0.270	0.020	0.290	0.290	0.030	0.37	0.27	0.40	0.30	0.69
DEC 13	70	0.420	<0.010	0.420	0.420	<0.015	0.40		0.40	<0.20	0.82
JAN 31 APR	74	0.460	<0.010	0.460	0.460	<0.015	0.30		0.30	0.20	0.76
03 MAY	68	0.330	<0.010	0.330	0.330	<0.015	0.30		0.30	0.20	0.63
31	92	0.520	0.010	0.530	0.530	0.070	0.43	0.43	0.50	0.50	1.0
AUG 27	188	0.520	<0.010	0.520	0.520	0.030	0.37	0.27	0.40	0.30	0.92
	NITRO-		PHOS-	PHOS- PHORUS	ALUM- INUM,		CADMIUM	CHRO- MIUM,	COBALT,	COPPER,	IRON,
DATE	GEN DIS- SOLVED (MG/L AS N) (00602)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHORUS DIS- SOLVED (MG/L AS P) (00666)	ORTHO, DIS- SOLVED (MG/L AS P) (00671)	TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	TOTAL RECOV- ERABLE (UG/L AS FE) (01045)
OCT 25 DEC	0.59	0.040	0.020	0.030	340	<1	<1	<1	<1	2	1300
13 JAN		0.050	0.020	0.020							
31	0.66	0.060	0.020	0.020							
APR 03 MAY	0.53	0.040	0.020	0.010	430	<1	<1	4	<1	3	1400
31 AUG	1.0	0.060	0.070	0.020							
27	0.82	0.010	<0.010	0.020							
	LEAD, TOTAL	MANGA- NESE, TOTAL	MERCURY TOTAL	MOLYB- DENUM, TOTAL	NICKEL, TOTAL	SELE-	SILVER, TOTAL	ZINC, TOTAL	CARBON,	SEDI-	SEDI- MENT, DIS-
DATE	RECOV- ERABLE (UG/L AS PB) (01051)	RECOV- ERABLE (UG/L AS MN) (01055)	RECOV- ERABLE (UG/L AS HG) (71900)	RECOV- ERABLE (UG/L AS MO) (01062)	RECOV- ERABLE (UG/L AS NI) (01067)	NIUM, TOTAL (UG/L AS SE) (01147)	RECOV- ERABLE (UG/L AS AG) (01077)	RECOV- ERABLE (UG/L AS ZN) (01092)	ORGANIC TOTAL (MG/L AS C) (00680)	MENT, SUS- PENDED (MG/L) (80154)	CHARGE, SUS- PENDED (T/DAY) (80155)
OCT 25	<1	50	<0.10	1	<1	<1	<1	<10	8.0	37	7.6
DEC 13									6.3	28	7.1
JAN 31									5.5	51	38
APR 03	1	110	<0.10	<1	<1	<1	<1	<10	6.3	38	22
MAY 31									9.4	121	36
AUG 27									5.9	64	4.5

### 02085079 ENO RIVER NEAR WEAVER, NC

LOCATION.--Lat 36°04'19", long 78°51'47", Durham County, Hydrologic Unit 03020201, at bridge on Secondary Road 1004, 1.3 mi above Little River, and 1.5 mi northeast of Weaver.

DRAINAGE AREA.--148 mi<sup>2</sup>.

PERIOD OF RECORD .-- Water years 1983 to current year.

PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: October 1982 to September 1985.

WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Instantaneous discharge is from gage located at Eno River near Durham (02085070).

EXTREMES FOR PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: Maximum, 293 microsiemens, July 11, 1984, minimum, 32 microsiemens, Aug. 18, 1984.

WATER TEMPERATURE: Maximum recorded, 30.5°C, Aug. 23, 1983; minimum recorded, 0.0°C, on several days during winter months.

#### WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS- CHARGE, IN CUBIC FEET PER SECOND (00060)	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT											
25	1330		45	149	7.15	14.0	16	766	10.4	101	35
DEC 09 JAN	1300	E275		95.0	6.95	6.0	96	768	11.5	92	27
24	1400		105	131	7.15	6.0	45	770	13.1	104	30
MAR 13 MAY	1300		102	148	7.15	13.5	49	774	10.2	96	30
22	1315		59	195	7.20	20.0	25	765	7.82	86	33
SEP 05	1300		3.7	317	7.19	21.5	35	761	6.73	76	36

								ANC		
DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-FLD (MG/L AS HCO3) (99440)	UNFLTRD CARBON- ATE IT-FLD (MG/L - CAC03) (99430)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT										
25	8.5	3.2	14	43	1	5.0	33	27	22	13
DEC										
09	6.2	2.8	6.9	34	. 6	1.7	21.0	17.0	11	6.1
JAN										
24	7.2	2.8	15	51	1	1.6	35.0	29.0	20	8.0
MAR										
13	7.3	2.8	16	52	1	1.5	35.0	29.0	25	7.2
MAY										
22	7.9	3.3	22	57	2	1.8	43.0	35.0	37	8.2
SEP										
05	7.9	3.9	47	71	3	4.2	54	44	71	11

# 02085079 ENO RIVER NEAR WEAVER, NC--Continued

# WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT 25 DEC	<.1	14	108	<.001	.120	<.002		.30	.42	.010
09 JAN	<.10	12	62	.008	.310	.011	.39	.40	.71	.030
24	<.10	12	92	.005	.540	<.002		<.20		<.010
MAR 13	<.10	8.6	90	.002	.170	<.002		.30	.47	.010
MAY 22	<.1	5.4	118	.002	.14	.011	.26	.3	.40	.02
SEP 05	.2	6.2	193	<.0010	.13	.021	.42	. 4	.57	.03
DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
OCT 25 DEC	<.001	130	<1	<1	<1.0	<1	2	650	<1	60
09	<.001									
JAN 24	.006									
MAR 13	.003	310	<1	<1	<1	<1	1	920	<1	70
MAY 22	.004									
SEP 05	.010									
DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO) (01062)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL (UG/L AS SE) (01147)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG) (01077)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)
OCT		.1.0	.1	. 1	. 1	.10	4 0	-	63	
25 DEC	<.1	<1.0	<1	<1	<1	<10	4.8	5	.61	
09 JAN							6.5	11		
24 MAR							4.8			17
13 MAY	<.10	<1	<1	<1	<1	<10	4.6			16
22 SEP							4.7	12	1.9	
05							3.8			100

#### 02085079 ENO RIVER NEAR WEAVER, NC

LOCATION.--Lat 36°04'19", long 78°51'47", Durham County, Hydrologic Unit 03020201, at bridge on Secondary Road 1004, 1.3 mi above Little River, and 1.5 mi northeast of Weaver.

DRAINAGE AREA. -- 148 mi<sup>2</sup>.

PERIOD OF RECORD.--Water years 1983 to current year.

PERIOD OF DAILY RECORD. --

SPECIFIC CONDUCTANCE: October 1982 to September 1985.

WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Instantaneous discharge is from gage located at Eno River near Durham (02085070).

EXTREMES FOR PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: Maximum, 293 microsiemens, July 11, 1984, minimum, 32 microsiemens, Aug. 18, 1984.

WATER TEMPERATURE: Maximum recorded,  $30.5^{\circ}$ C, Aug. 23, 1983; minimum recorded,  $0.0^{\circ}$ C, on several days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
OCT										
27 DEC	1230	16	520	7.0	14.9	45	755	8.1	81	41
03 APR	1230	6.3	205	7.1	7.3	55	755	11.7	98	36
07 JUN	1400	110	101	6.9	15.0	41	761	8.5	84	26
09	1245	49	189	7.4	20.5	33	764	8.3	92	33
AUG 26	0900	4.8	318	6.9	25.7	65	753	5.6	70	38
DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-FLD (MG/L AS HCO3) (99440)	ANC UNFLTRD CARBON- ATE IT-FLD (MG/L - CAC03) (99430)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
OCT 27	9.9	4.0	86	80	6	5.2	54	44		
DEC 03	8.8	3.4	25	57	2	3.0	32	26		
APR				41	_		28	23		
07 JUN	6.3	2.5	8.9		.8	1.4				
09 AUG	8.1	3.0	23	58	2	2.7				
26	9.3	3.6	45	69	3	3.8	56	46	72	10
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
OCT 27				.005	1.08	.006	.38	.38	1.5	.049
DEC 03				.002	.602	.002	.29	.29	.89	.025
APR										
07 JUN				.001	.126	<.002		.27	.40	
09 AUG				.004	.764	.025	.25	.28	1.0	.016
26	.19	6.5	188	.003	.051	.033	.40	.43	.48	.024

### 02085079 ENO RIVER NEAR WEAVER, NC--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	TOTAL RECOV- ERABLE (UG/L	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
OCT 27	.023	120	<1	<1	<1	<1	2	420	<1	77
DEC 03	.010									
APR 07	.003	170	<1	<1	<1	<1	2	590	<1	42
JUN 09 AUG	.016									
26	.008									
DAT	MERC TOT REC ERA E (UG AS (719	AL TOT OV- REC BLE ERA /L (UG HG) AS	UM, NICK CAL TOT COV- REC BLE ERA C/L (UG MO) AS	AL SEL OV- NIU BLE TOT J/L (UG NI) AS	M, REC AL ERA /L (UC SE) AS	TAL TO COV- REGABLE ER. G/L (U AG) AS	NC, TAL CARE COV- ORGA ABLE TOI G/L (MC ZN) AS 092) (006	NIC MEN CAL SUS G/L PEN C) (MG	TT, CHAR S- SU DED PEN S/L) (T/D	T, S- GE, S- DED AY)
OCT 27	<.	10 1	<1	<1	<1	<	10 5.	8 7		29
03 APR	_						5.	6 -		-
07 JUN	<.	10 <1	<1	<1	<1		10 4.	4 10	3.	0
09	_						4.	0 9	1.	2
26	_						5.	2 16		21

#### 02085079 ENO RIVER NEAR WEAVER, NC

LOCATION.--Lat 36°04'19", long 78°51'47", Durham County, Hydrologic Unit 03020201, at bridge on Secondary Road 1004, 1.3 mi above Little River, and 1.5 mi northeast of Weaver.

DRAINAGE AREA. -- 148 mi<sup>2</sup>.

PERIOD OF RECORD.--Water years 1983 to current year.

PERIOD OF DAILY RECORD. --

SPECIFIC CONDUCTANCE: October 1982 to September 1985.

WATER TEMPERATURE: October 1982 to September 1985.

INSTRUMENTATION.--Water-quality monitor from October 1982 to September 1985.

REMARKS.--Station operated to define water quality as part of a six-county regional surface-water quality assessment. Instantaneous discharge is from gage located at Eno River near Durham (station 02085070).

EXTREMES FOR PERIOD OF DAILY RECORD .--

SPECIFIC CONDUCTANCE: Maximum, 293 microsiemens, July 11, 1984, minimum, 32 microsiemens, Aug. 18, 1984.

WATER TEMPERATURE: Maximum recorded,  $30.5^{\circ}$ C, Aug. 23, 1983; minimum recorded,  $0.0^{\circ}$ C, on several days during winter months.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	BARO- METRIC PRES- SURE (MM OF HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)
NOV 02 DEC	1430	22	700	7.1	13.7	35	757	6.6	64	54
14	1330	168		7.2	9.0	65	757	10.2		41
FEB 23 APR	1300	82	123	6.2		55	768			27
09	1030	79	112	7.2	17.9	30	751	9.1	97	29
JUN 21 AUG	1515	23	208	7.0	20.0	50	759	6.9	76	29
26	1430	32	153	6.7	23.8	190	754	5.9	71	25
DATE	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE IT-FLD (MG/L AS HCO3) (99440)	ANC WATER UNFLTRD IT FIELD MG/L AS CACO3 (00419)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 02	13	5.1	114	80	7	6.9	74	61	220	19
DEC 14	10	3.7	120	83	8	8.8	55	45	240	23
FEB 23	6.5	2.7	12	48	1	1.6			20	8.2
APR										
09 JUN	6.9	2.8	9.6	41	.8	1.5	32	26	12	6.8
21 AUG	6.8	2.9	26	63	2	2.9	41	34	40	9.3
26	5.9	2.6	18	58	2	3.1	26	21	29	6.3
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)
NOV 02	.22	2.3	426	<.001	<.005	<.002		.54		E.034
DEC										
14 FEB	.25	6.9	484	.005	.642	.017	.46	.47	1.1	.050
23 APR	<.10	9.7	88	.001	.267	.004	.28	.28	.55	E.031
09 JUN	<.10	6.1	74	.002	.121	.009	.35	.36	.48	E.039
21 AUG	.13	11		.005	.233	.034	.44	.47	.70	E.048

26... <.10 4.6 93 .014 .484 .150 .89 1.0 1.5 .150

### 02085079 ENO RIVER NEAR WEAVER, NC--Continued

### WATER-QUALITY DATA, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	CADMIUM WATER UNFLTRD TOTAL (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	TOTAL RECOV- ERABLE (UG/L	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)
NOV 02 DEC	.005	70	<1	<1	<1	<1	2	230	<1	84
14	.009									
FEB 23	.004									
APR 09	.004	170	<1	<1	<1	<1	<1	580	<1	62
JUN 21	.019									
AUG 26	.009									
DAT		AL TOT. OV- REC BLE ERA L/L (UG HG) AS	UM, NICK AL TOT OV- REC BLE ERA /L (UG MO) AS	AL SELOV- NIUMBLE TOTA /L (UG) NI) AS	M, REC AL ERA /L (UC SE) AS	'AL TO' 'OV- RE' 'BLE ER '/L (U' 'AG) AS	COV- ORG ABLE TO G/L (M ZN) AS		T, CHAR S- SU NDED PEN G/L) (T/D	T, S- GE, S- DED AY)
NOV 02 DEC		10 <1	2	<1	<1	. <		.3		24
14 FEB	-					-	7	.4 2	22 10	
23 APR						-	4	.5	5 1.	0
09	. <.	10 <1	<1	<1	<1	. <	40 6	.8 1	13 2.	8
JUN 21						-	5	.6 1	.4	89
AUG 26							12	10	)4 9.	0